

For Research Use Only

# ARMC9 Recombinant antibody

Catalog Number: 84724-4-RR



## Basic Information

<b>Catalog Number:</b> 84724-4-RR	<b>GenBank Accession Number:</b> BC004514	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 80210	<b>CloneNo.:</b> 242346G7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q7Z3E5	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> armadillo repeat containing 9	
<b>Immunogen Catalog Number:</b> AG27511	<b>Calculated MW:</b> 817 aa, 92 kDa	
	<b>Observed MW:</b> 75 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
human, mouse, rat

### Positive Controls:

WB : SH-SY5Y cells, mouse brain tissue, mouse placenta tissue, mouse retina tissue, rat retina tissue, human placenta tissue

## Background Information

ARMC9 (Armadillo Repeat Containing 9) belongs to the ARMC subfamily characterized by a class of tandem repeat proteins with a length of approximately 42 amino acids (PMID: 34912852). ARMC9 localizes to centrioles and the proximal portion of the cilium in mammalian cilia (PMID: 32453716). The variants of ARMC9 lead to Joubert syndrome (JBTS), a recessive neurodevelopmental ciliopathy characterized by characterized by hypotonia, ataxia, abnormal eye movements, and variable cognitive impairment (PMID: 28625504; PMID: 32453716). ARMC9 has two isoforms with molecular weights of 92 kDa and 76 kDa.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84724-4-RR (ARMC9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.